

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 3:53 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 385 Const Calendar Day: 102 Date: 14-Sep-2012 Friday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 06:30 AM 06:00 PM Break: 00:30 Over Time: 03:00

Federal ID:

Location:

Reviewer: Schmitt, Alex

Approved Date:

Status: Submit

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather**

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition

Working Day ☒ If no, explain:**Diary:**

Dispute

Phase 1 Load Transfer

Overview of Cable work today:

The following work was ongoing today on the Cable:

- Phase-1 load transfer (LT) step 2e-Adj was completed (started yesterday)
- Phase-1 load transfer (LT) step 2f-Adj was completed
- Phase-1 load transfer (LT) step 3a-Add was completed
- Phase-1 load transfer (LT) step 3b-Add was completed
- Phase-1 load transfer (LT) step 3c-Add was completed
- Phase-1 load transfer (LT) step 3a-Adj was started
- Re-tensioning of cable band (CB) bolts

Today I was inspecting the LT suspender jacking operation on the South cable. They had 2 crews jacking on the South cable today. See the diary of Sami Daouk & Laraine Woo for additional details for the South cable suspender jacking. See the diary of others for information on the North cable suspender jacking & cable band bolt tensioning.

- I arrived at the pier 7 office at 06:30, & was on the bridge at 06:45.
- Throughout the entire shift, 2 crews were jacking on the suspenders on the South cable. For most of the shift, I was measuring remaining jacking lengths (RJLs) while others were watching the jacking pressures. Occasionally, I would also watch the jacking pressures when someone needed a break.
- From 07:00 until 07:30, jacking on the LT step 2e-Adj suspenders on the South cable was ongoing.
- At 07:30, LT step 2f-Adj suspender jacking on the South cable was started.
- At 09:00, I left the bridge to do office work. During this time, see Sami & Laraine's diaries for details of the suspender jacking on the South cable.
- At 11:30, I arrived back on the bridge. At this time, LT step 3a-Add was ongoing.
- From 11:30 until 13:00, I continued to inspect the LT suspender jacking on the South cable.
- From 13:00 until 15:15, I helped Alex Schmitt & Matt Bruce with extensometer measurements of cable band (CB) bolts. We measured the following CBs: 34S just prior to CB bolt re-tensioning, 50N, 34S just after CB bolt re-tensioning, 12N, & 100S.
- At 15:15, I went back to helping with inspecting of the suspender jacking on the South cable. At this time, LT step 3c-Add was ongoing.
- From 15:15 until 16:20, jacking on the LT step 3c-Add suspenders on the South cable was ongoing. I spent the majority of this time training some of the new field inspection personnel on our inspection procedures during LT suspender jacking.
- From 16:20 until 16:40, the South swing-out brackets were adjusted by about 120mm.
- From 16:40 until the end of the shift, jacking on the LT step 3a-Adj suspenders on the South cable was ongoing.



Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Wright, Doug

Diary #: 385

Date: 14-Sep-2012 **Friday**

- At 15:10, the crews wrapped up their tools to end the shift.
- From 15:10 until 15:30, I helped Laraine compile all of the data (jacking pressures & RJL measurements) to be sent back to the office for input into a tracking spreadsheet.
- At 15:30, I left the bridge.
- Note: Each time Gary's crew was jacking on any suspenders, we observed the pressure gauge to ensure that they stayed within the do-not-exceed (DNE) pressure. The maximum suspender jacking pressure observed today was 6000 psi (at PP940S), which was well within the DNE of 9069 psi.
- Note: After the suspender jacking at each panel point, we measured the remaining jacking length (RJL) to make sure they were in accordance with the LT plan submittal. Each of the RJL measurements was close to the theoretical numbers in the LT plan submittal.
- From 15:45 until 18:00, I wrote my diary for the day & checked email.
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